

Figure 1

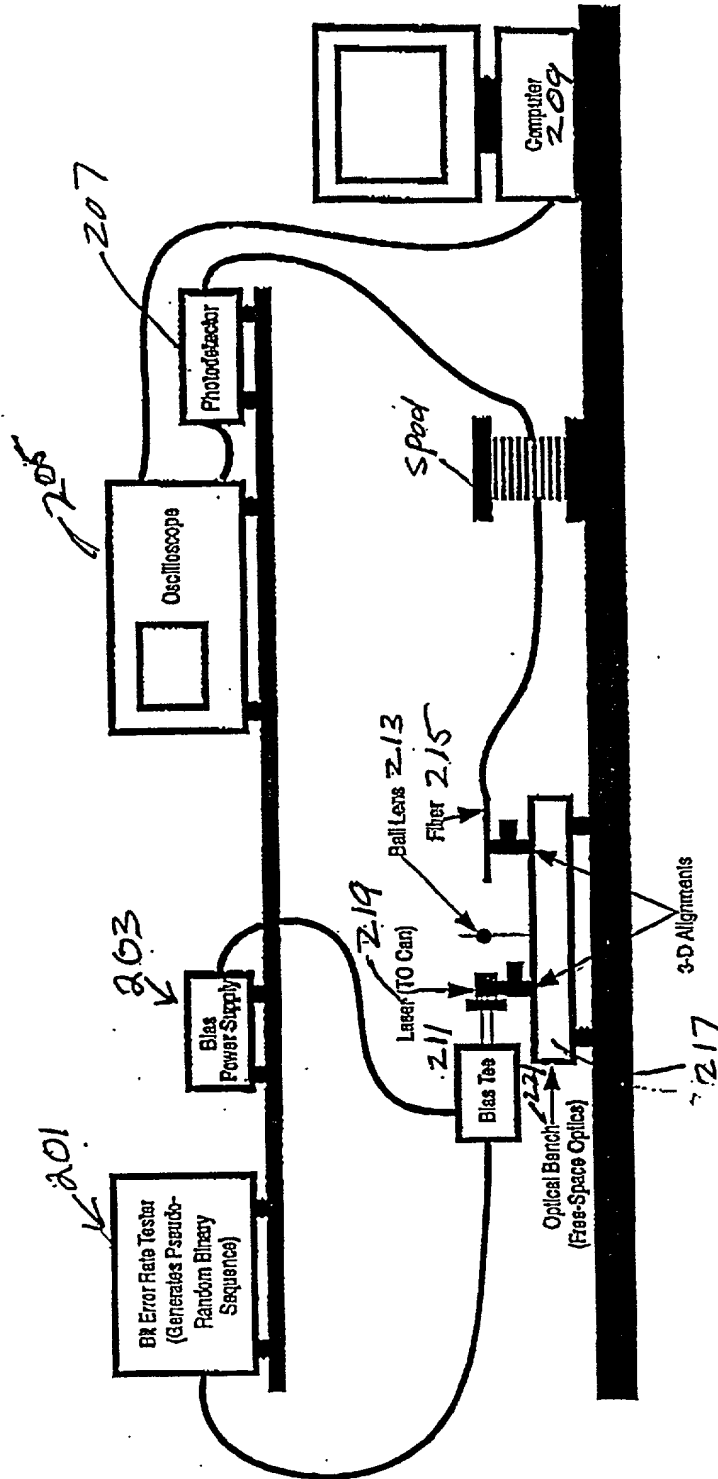


Figure #2

FOOT 4966660

FIBER	CORE DIAMETER[ $\mu$ m]	LENGTH[m]	MANUFACTURER
F0	62.5	270	Fujikura
F1	50.0	1152	Corning
F2	62.5	2234	Corning
F3	50.0	2247	Corning
F4	62.5	1151	Corning
F5	50.0	540	Corning

Figure #3

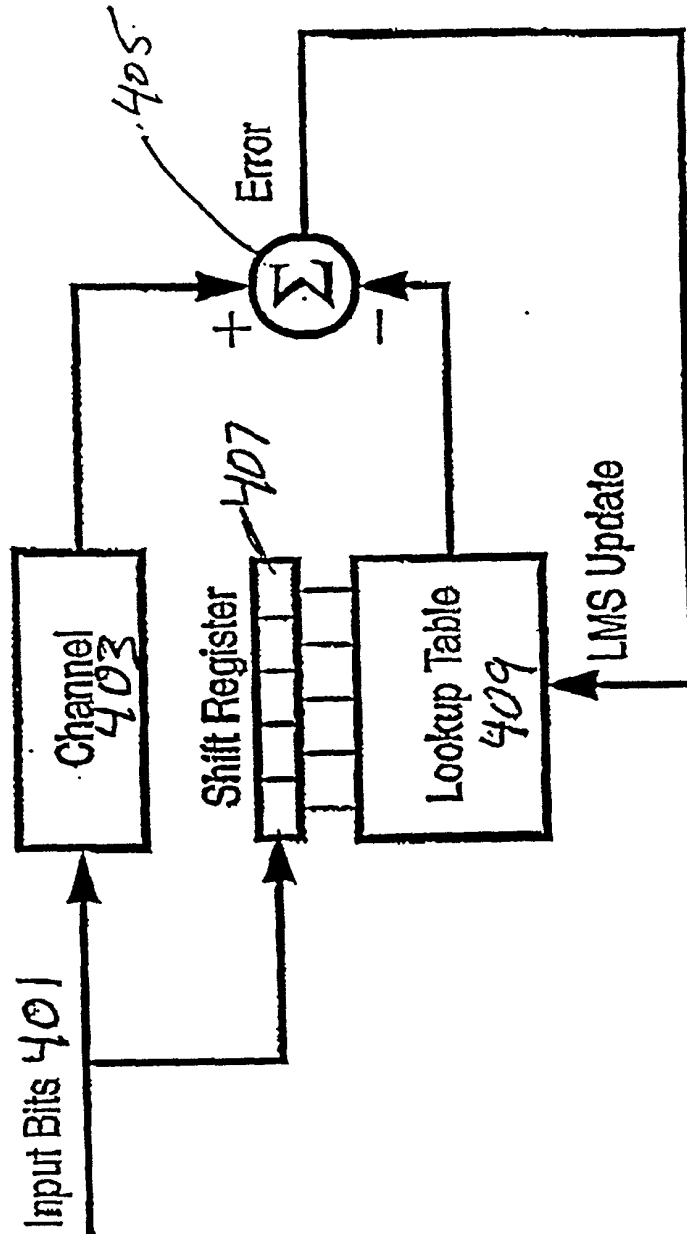
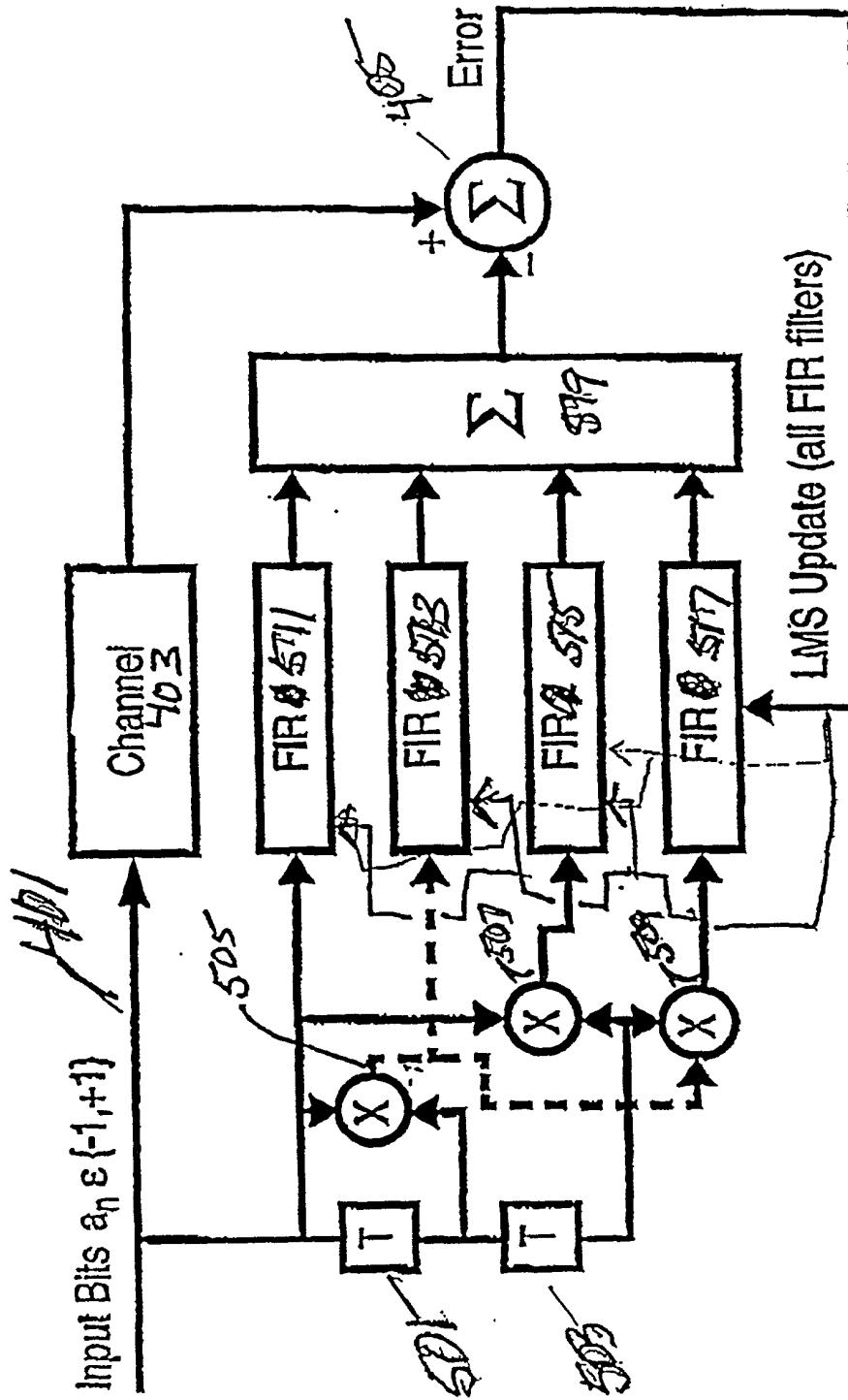


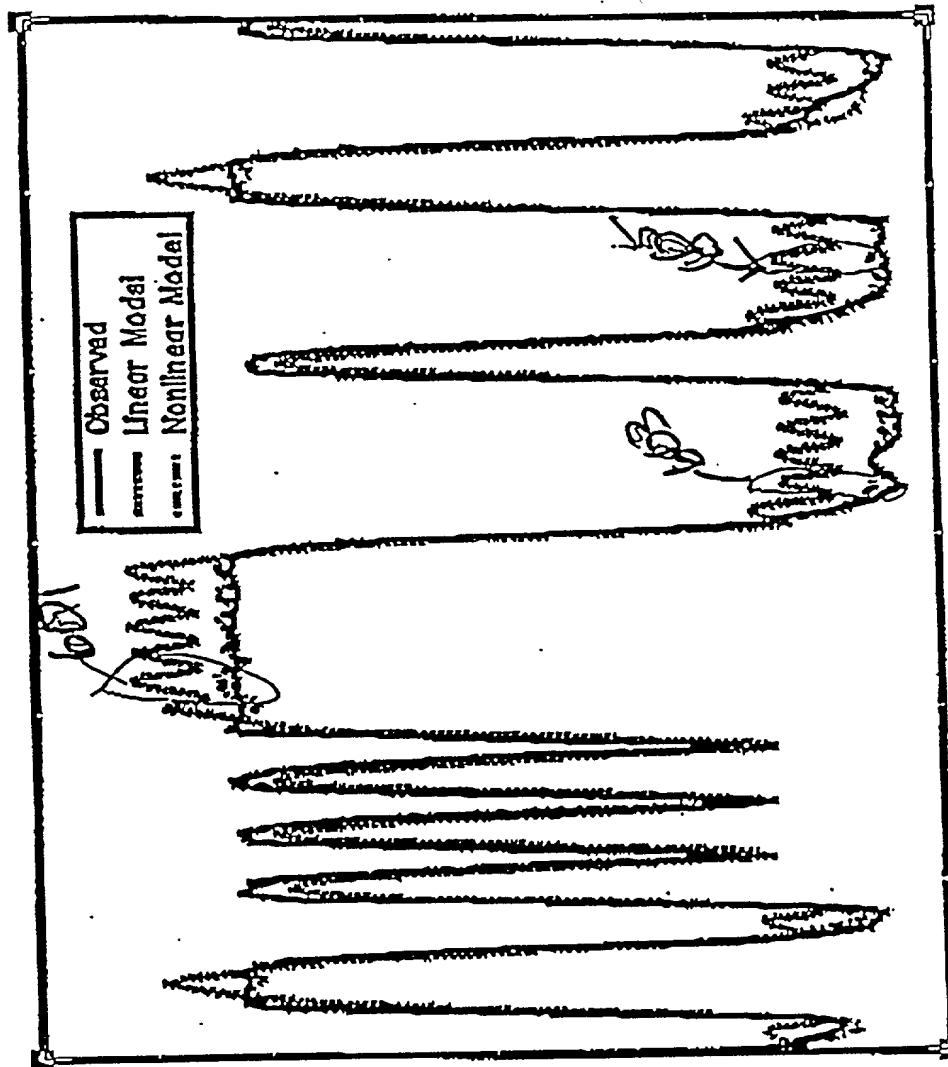
Figure 4

FOOT-198660



NOTE: This simplified diagram shows only four Volterra kernels, as with the data terms  $a_n$ ,  $a_n a_{n-1}$ ,  $a_n a_{n-2}$ , and  $a_n a_{n-1} a_{n-2}$

Fig 5



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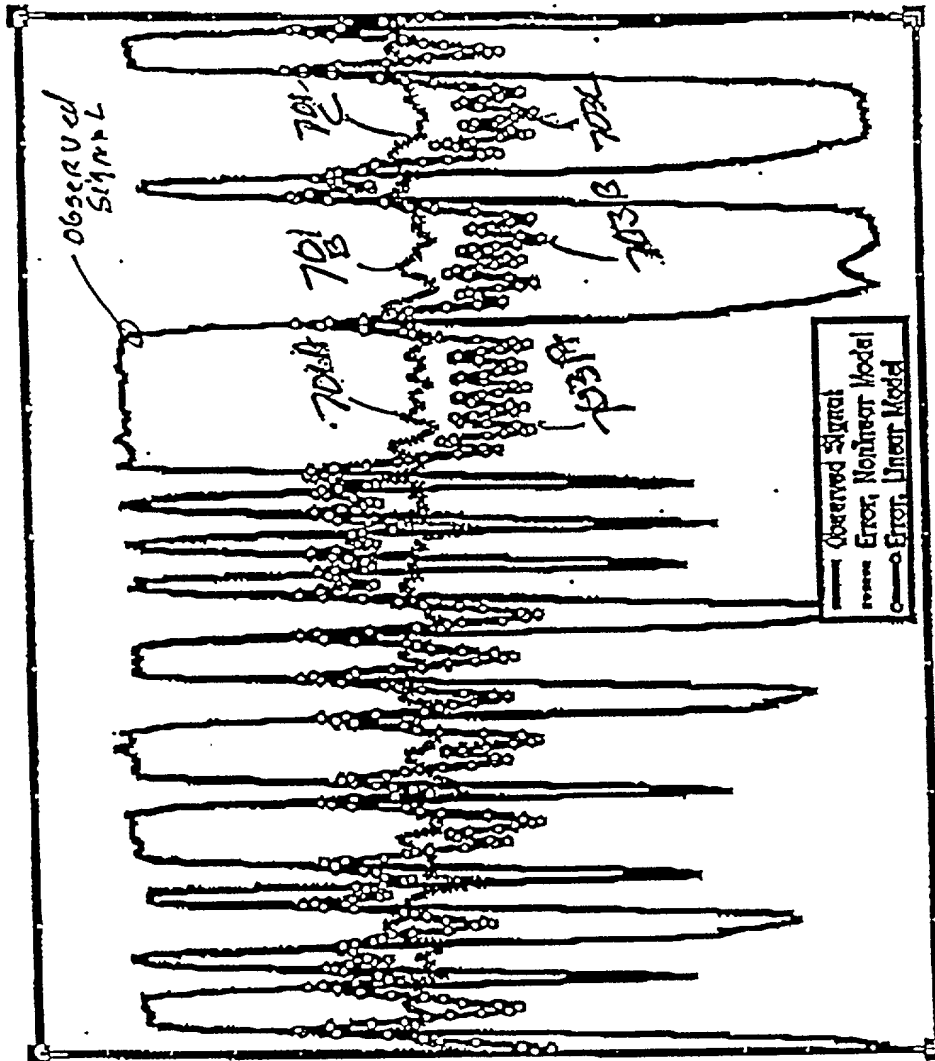


Figure 7

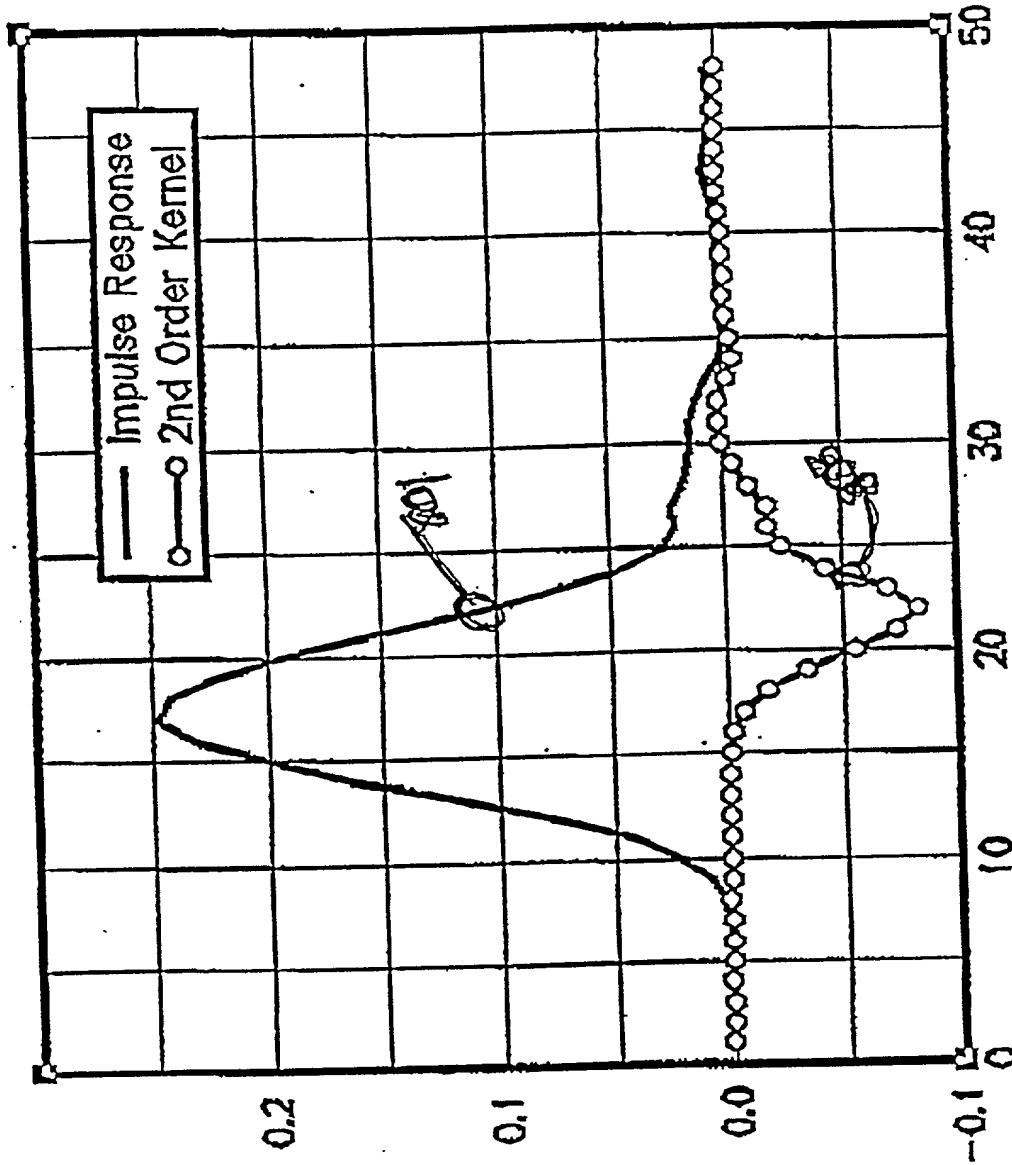


Figure 8



FIBER	SNR [dB] (linear model)	SNR [dB] (nonlinear model)
F0	12.8	23.2
F1	12.1	24.7
F2	13.4	24.9
F3	13.3	23.7
F4	12.4	23.8
F5	12.5	23.7

NOTE: SNR is defined as  $10 \log_{10}(\text{Signal Power/Error Power})$ , and it does not necessarily coincide with the slicer SNR of a receiver

Figure 9

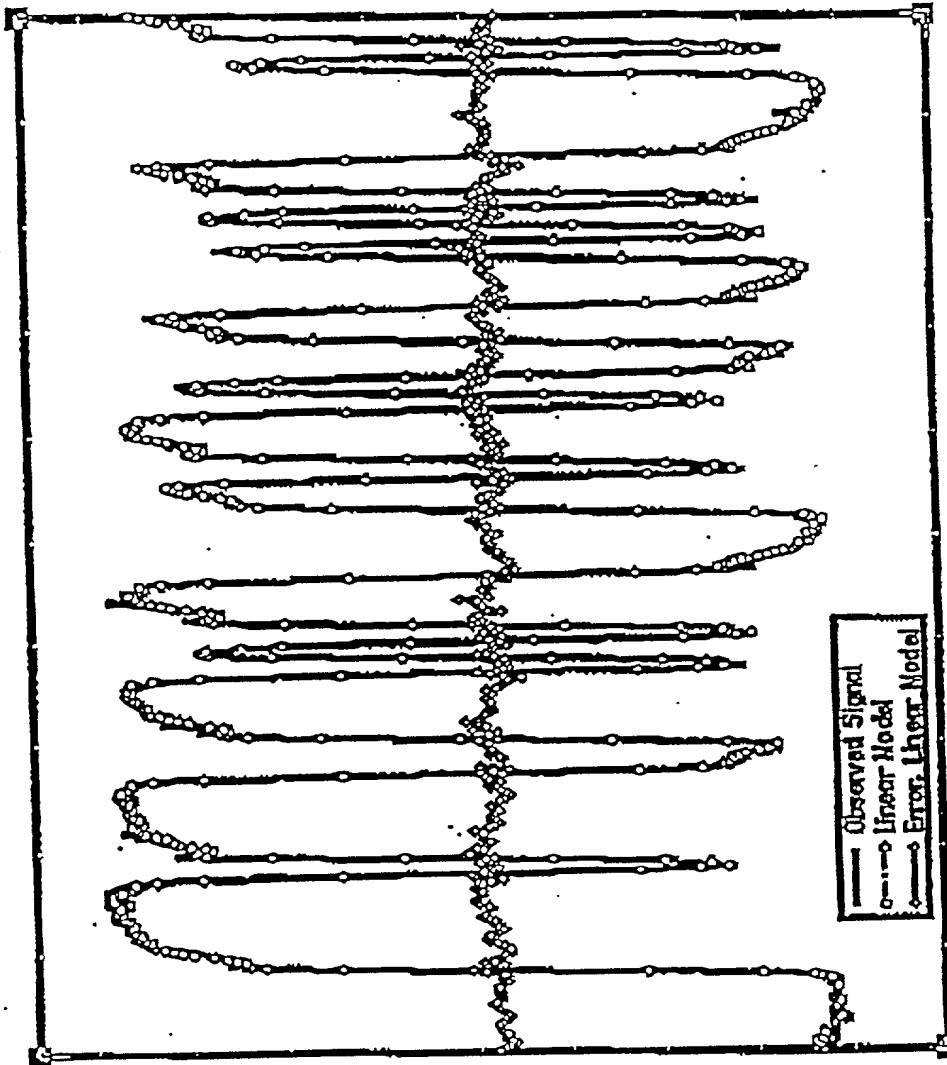


Figure 10

FOOT 296666

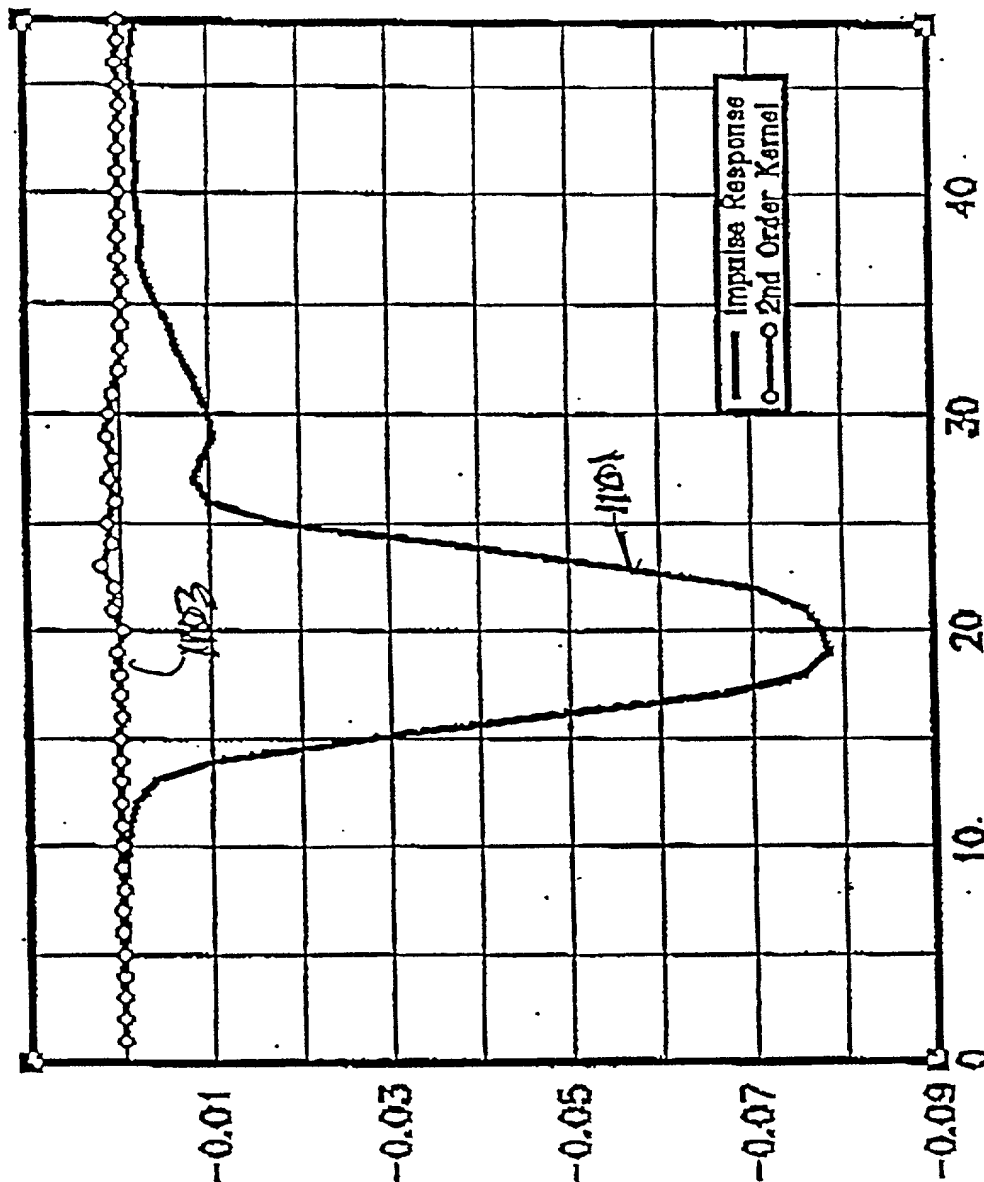


Figure 11

FIBER	SNR[dB] (linear model)
F0	28.2
F1	26.6
F2	26.7
F3	27.4
F4	28.7
F5	28.2

NOTE: SNR is defined as  $10 \log_{10}(\text{Signal Power/Error Power})$ , and it does not necessarily coincide with the slicer SNR of a receiver

Figure 12

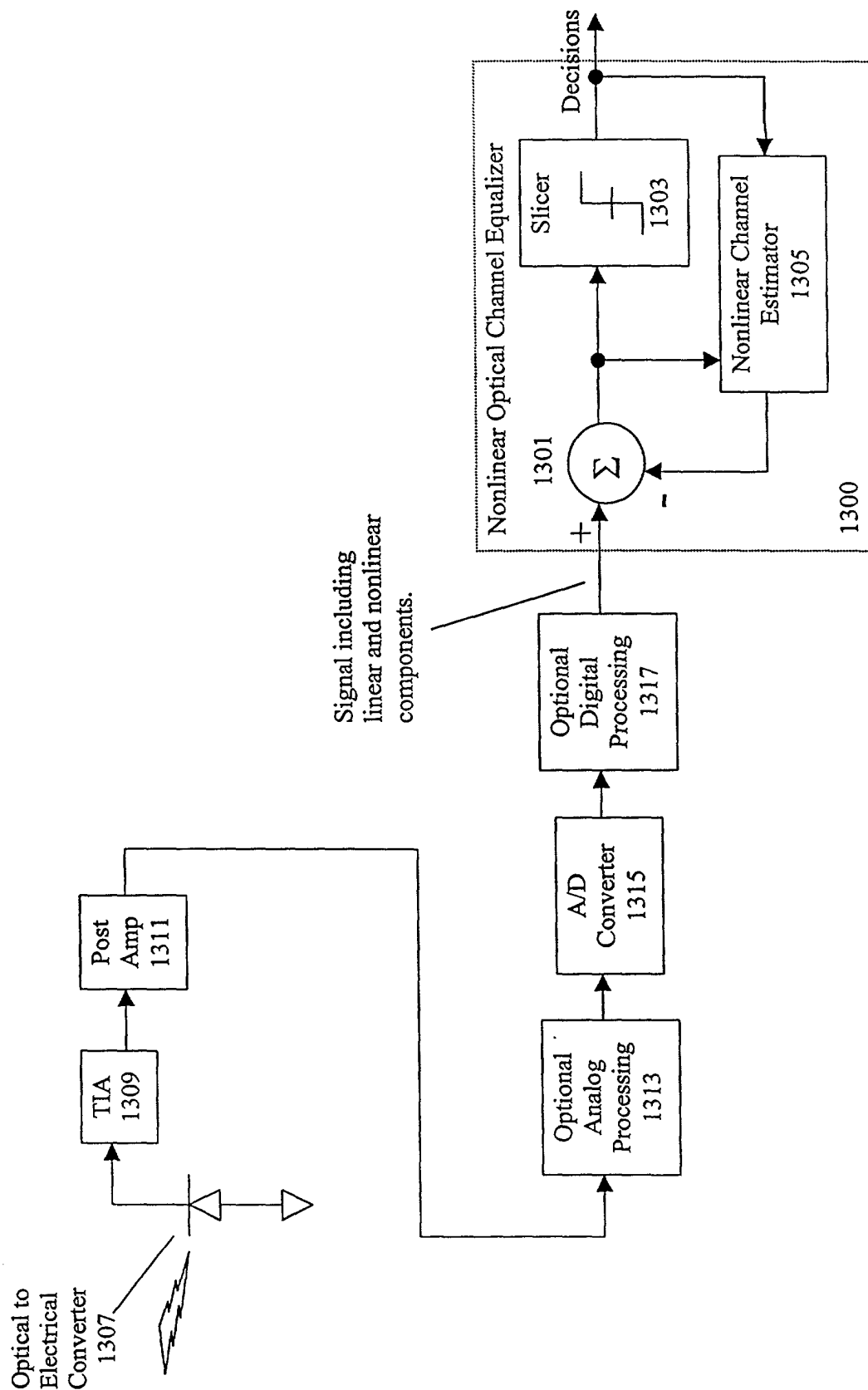


Figure 13

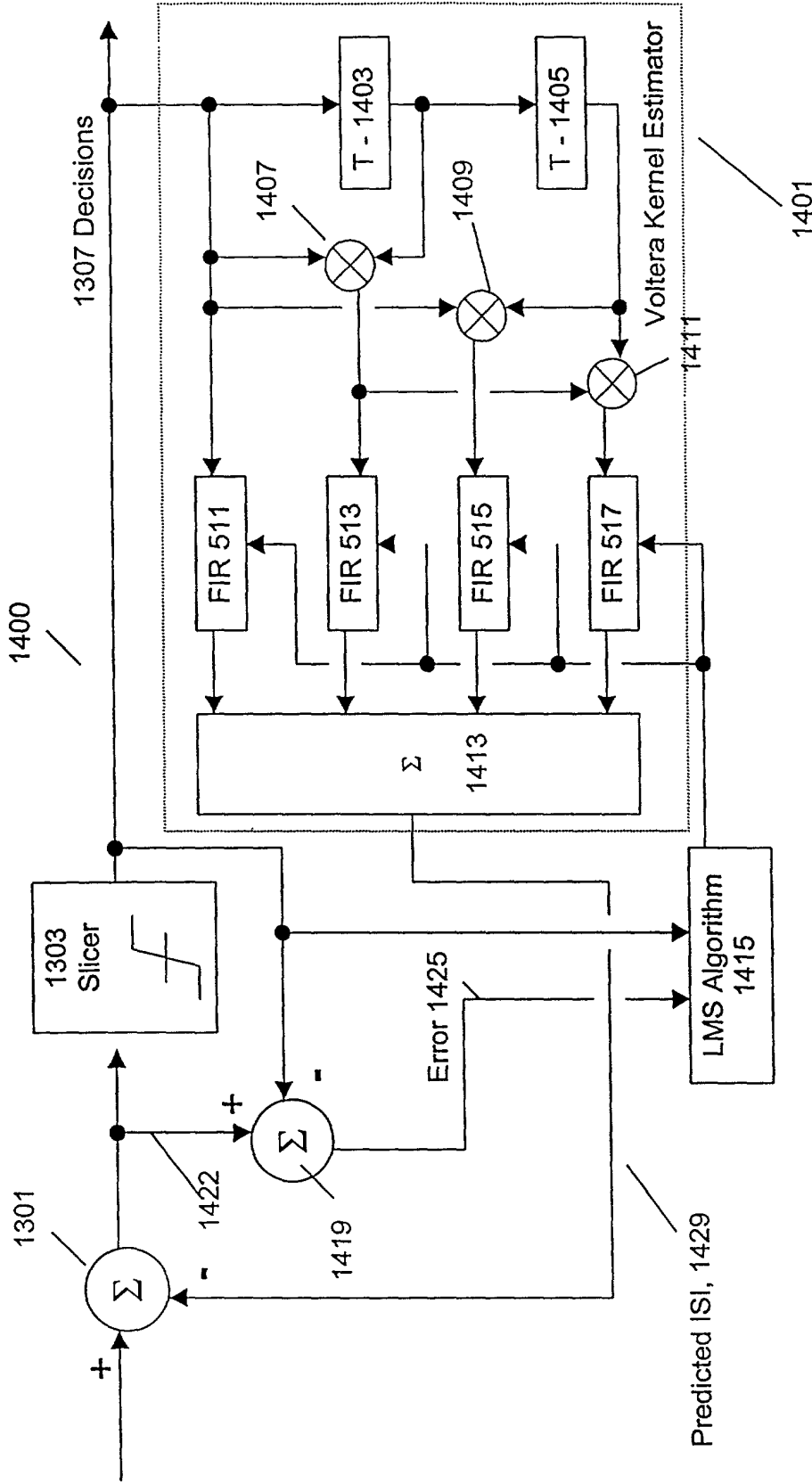


Figure 14A

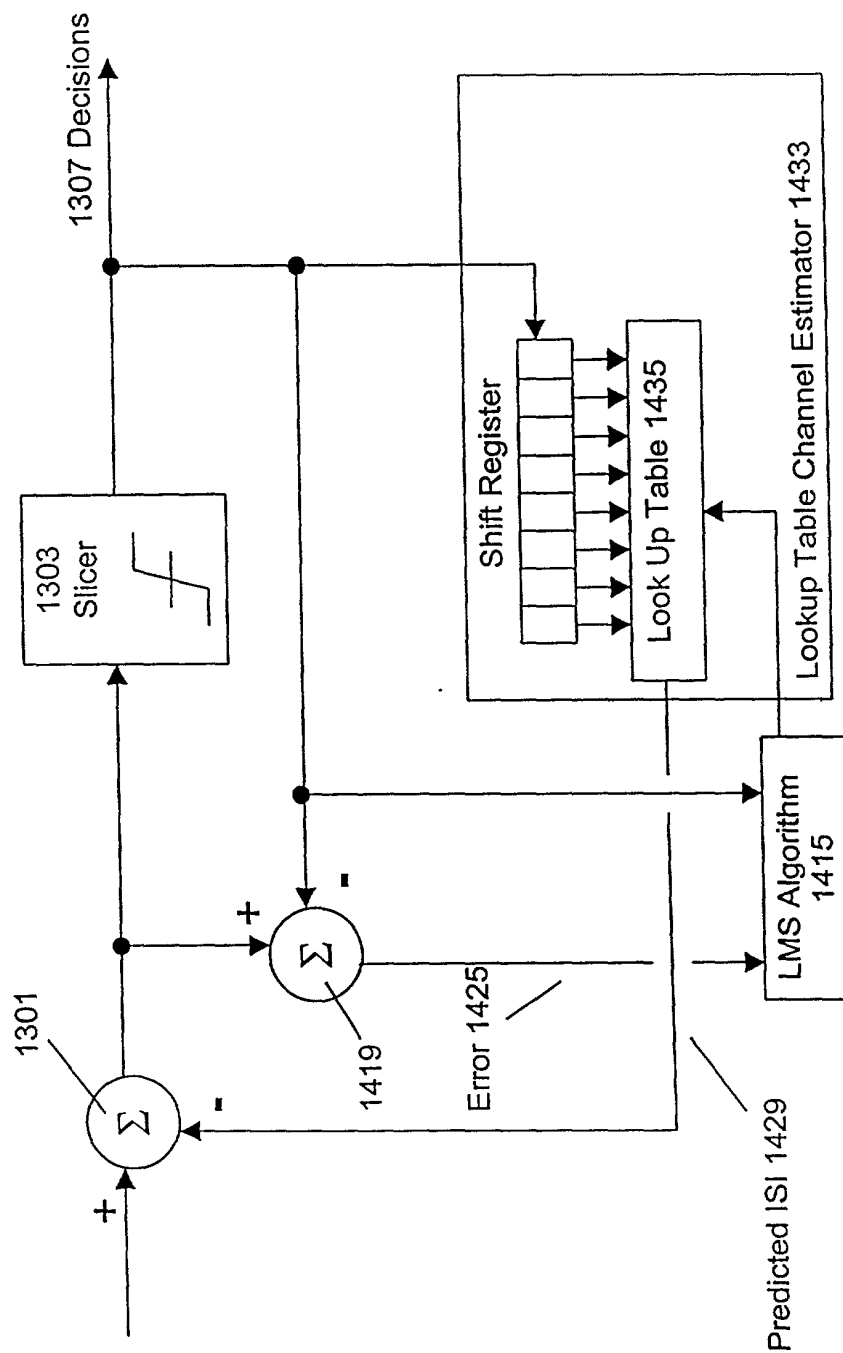


Figure 14B

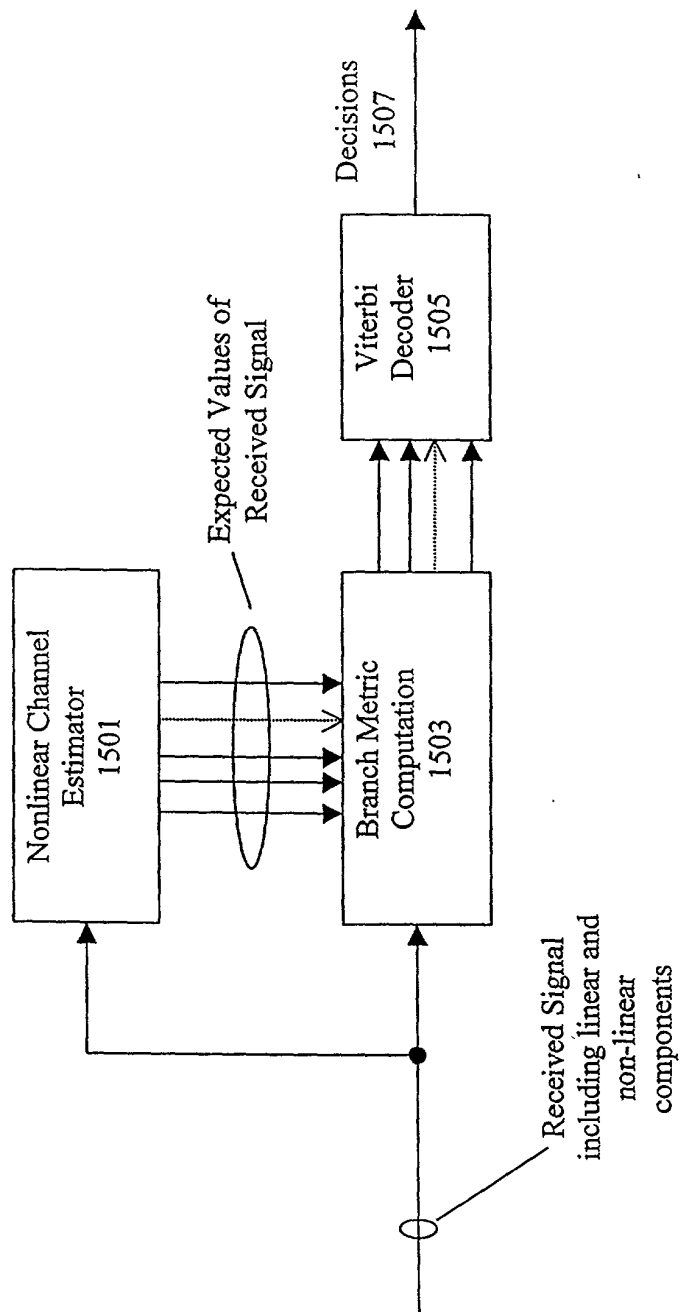


Figure 15